REMARKS

Careful consideration has been given by the applicants to the Examiner's comments and rejection of the claims, as set forth in the outstanding Office Action, and favorable reconsideration and allowance of the application, as amended, is earnestly solicited.

Applicants note the Examiner's rejection of Claims 1-9 under 35 U.S.C. §102(a), as being allegedly anticipated by Hertel, et al., German Patent No. 10136469A1, which was cited by the present applicants.

Concerning this German publication, the U.S. equivalent thereof is U.S. Patent No. 6,919,846 B1, issued on July 19, 2005 and which is commonly assigned to the present assignee, while also possessing a common inventorship.

In effect, the present invention is an improvement over this particular U.S. patent, which is currently assigned to the present assignee, and is specifically directed to the provision of features, which are not suggested nor disclosed in any manner in the prior art publication.

The particular properties to which the Examiner refers in Paragraph 4 of the Office Action, are not at all disclosed in any of the features or claims of the cited publication, and it remained for the present applicants in the present instance to so modify the dielectric properties of the slot antenna so as to be able to adapt the latter for utilization for radar frequencies, preferably for applications to proximity fuses, in addition to the therewith contrastingly much lower-frequencied communication frequencies (for satellite navigation or telemetry) pursuant to the present invention. The German publication, which was cited by the Examiner, and its U.S. counterpart, only discloses the frequency-determining geometry of the resonator chamber for the satellite frequency. Thereby, this geometry-dependent resonance frequency can be imparted a specified frequency correction for the fine tuning of the satellite frequency by means of the

selection of the dielectric material in the resonator chamber. However, in the cited publication, this remains only at the satellite frequency which is determined through the resonator chamber, and, in effect, there is no disclosure of any displacement or shifting towards a much higher-frequencied radar frequency in the prior art, and moreover, there is no consideration or disclosure of obtaining a higher-frequencied radar frequency concurrently with or in addition to a lower-frequencied satellite frequency from the same resonator chamber, the latter of which is geometrically only correlated with the satellite frequency. This clear distinction can be readily ascertained by the disclosure on the second page of the present specification, and also from Column 3, Lines 14-19 of U.S. Patent No. 6,919,846 B2.

Hereby, the present invention disclosures in the unique and advantageous concept that, in addition to the satellite frequency, there can be obtained from the same resonator chamber by means of the dielectric material contained therein, additionally also a completely different, and much higher-frequencied resonance frequency, namely the radar frequency, without that, this thereby simply pertains to an integral multiple (by a mere harmonics) of the satellite frequency. This is essentially the novel and important technological subject matter of the present application, and which cannot be ascertained in any manner nor suggested from the cited publication (in effect, U.S. Patent No. 6,919,846 or its equivalent, German Publication No. DE 101369469A1). In the earlier case, consideration is only given to a fine-tuning of the satellite frequency, and it does not disclose any additional higher-frequencied radar frequency, such as is obtained by the dielectric material and the particular structure thereof as set forth and claimed in the present application.

The foregoing new concept, which is clearly disclosed in the specification and claimed herein, imparts further inventive features to the slot antenna from applicants' own earlier patent, clearly derives advantages not at all considered nor suggested in the prior art, and the claims, as amended herein, unambiguously set forth this particular novel and advantageous aspect.

In view of the foregoing discussion, applicants respectfully submit that on the basis of the amendments and arguments presented herein, this application is deemed to be in condition for allowance, and the early issuance of the Notice of Allowance by the Examiner is earnestly solicited. However, in the event that the Examiner has any queries concerning the instantly submitted Amendment, applicants' attorney respectfully requests that he be accorded the courtesy of possibly a telephone conference to discuss any matters in need of attention.

Respectfully submitted,

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